

INTERNATIONAL SEARCH REPORT

PCT/IB 03/01513

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01J29/28 H01J29/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 184 889 A (PHILIPS CORP INTELLECTUAL PTY ;KONINKL PHILIPS ELECTRONICS NV (NL)) 6 March 2002 (2002-03-06) paragraph '0020! column 7, line 9-23 paragraph '0041! ---	1-7
P, X	EP 1 211 711 A (PHILIPS CORP INTELLECTUAL PTY ;KONINKL PHILIPS ELECTRONICS NV (NL)) 5 June 2002 (2002-06-05) paragraphs '0022!, '0023!, '0040!, '0057! ---	1-7
Y	US 6 013 978 A (DONOFRIO ROBERT L) 11 January 2000 (2000-01-11) cited in the application column 2, line 22-30 column 4, line 30 -column 5, line 5 ---	1-7
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Z document member of the same patent family

Date of the actual completion of the International search

27 June 2003

Date of mailing of the International search report

09/07/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 085 554 A (PHILIPS CORP INTELLECTUAL PTY ;KONINKL PHILIPS ELECTRONICS NV (NL)) 21 March 2001 (2001-03-21) paragraphs '0008!-'0016!, '0024!, '0040! _____	1-7

INTERNATIONAL SEARCH REPORT

PCT/TB 03/01513

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1184889	A	06-03-2002	DE 10042728 A1	14-03-2002
			CN 1341949 A	27-03-2002
			EP 1184889 A1	06-03-2002
			JP 2002093341 A	29-03-2002
EP 1211711	A	05-06-2002	DE 10059766 A1	06-06-2002
			EP 1211711 A2	05-06-2002
			JP 2002184333 A	28-06-2002
			US 2002079821 A1	27-06-2002
US 6013978	A	11-01-2000	DE 69500440 D1	21-08-1997
			DE 69500440 T2	12-02-1998
			EP 0697134 A1	21-02-1996
			WO 9524728 A1	14-09-1995
			JP 8510091 T	22-10-1996
			US 6074789 A	13-06-2000
EP 1085554	A	21-03-2001	DE 19944202 A1	22-03-2001
			EP 1085554 A1	21-03-2001
			JP 2001118511 A	27-04-2001
			TW 472274 B	11-01-2002